

Docket No.: 50427-740

**UTILITY PATENT APPLICATION  
UNDER 37 CFR 1.53(b)**

Box PATENT APPLICATION

Commissioner for Patents

Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR: Yoshitaka HARA

FOR: ADAPTIVE ARRAY ANTENNA-BASED CDMA RECEIVER THAT CAN  
FIND THE WEIGHT VECTORS WITH A REDUCED AMOUNT OF  
CALCULATIONS

Enclosed are:

- ☒ 37 pages of specification, claims, abstract.
- ☒ Declaration and Power of Attorney.
- ☒ Priority Claimed Japanese Patent Application No. 2000-207849.
- ☐ Certified copy of \_\_\_\_\_
- ☒ 10 sheets of formal drawing.
- ☒ An assignment of the invention to YRP MOBILE TELECOMMUNICATIONS KEY  
TECHNOLOGY RESEARCH LABORATORIES  
CO., LTD.; AND MITSUBISHI DENKI  
KABUSHIKI KAISHA
- ☐ and the assignment recordation fee.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- ☒ Information Disclosure Statement, Form PTO-1449 and reference.
- ☒ Return Receipt Postcard
- ☐

The filing fee has been calculated as shown below:

	NO. OF CLAIMS		EXTRA CLAIMS	RATE	AMOUNT
Total Claims	31	-20	11	\$18.00	\$198.00
Independent Claims	6	-3	3	\$80.00	\$240.00
Multiple Dependent Claim(s)					\$270.00
<b>Basic Fee</b>					\$710.00
Total of Above Calculations					\$1,418.00
Less ½ for Small Entity					\$0.00
Assignment & Recording Fee					\$40.00
<b>Total Fee</b>					<b>\$1,458.00</b>



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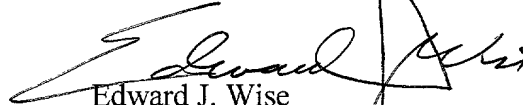
PATENT TRADEMARK OFFICE

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09/901437  
07/10/01

- ☒ Please charge my Deposit Account No. 500417 in the amount of \$1,458.00. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 500417. A duplicate copy is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 500417. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

MCDERMOTT, WILLIAMS & EMERY

  
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